

AMENDMENTS TO THE CLAIMS

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application. Material to be inserted is in **bold and underline**, and material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [[]].

Listing of Claims:

1. (Currently amended) A wireless communication method with a portable wireless communication device that is plug connectable to an external port of a first computing device for wireless communication, the wireless communication device previously being distinct from the first computing device, the wireless communication device having

an interface for plug connecting to the external port of the first computing device by a user,

a wireless communication component for wireless communication,

a memory component including a private memory area that is not accessible ~~or viewable~~ by the user,

a protected data stored in the private memory area for executing at the first computing device,

a memory controller having means for managing communication through the interface and means for accessing the private memory area,

the wireless communication method comprising:

drawing power to the wireless communication device from the first computing device for operating the wireless communication device upon plug connecting the wireless communication device to the external port of the first computing device;

accessing the protected data from the private memory area of the wireless communication device by the memory controller of the wireless communication device;

providing **at least part of** a wireless software running and executing on the first computing device at least the protected data₁ by the wireless communication

device, automatically, upon plug connecting the wireless communication device to the external port of the first computing device;

activating, automatically, at the first computing device the wireless communication device, by the wireless software running on the first computing device, with the protected data received from the wireless communication device that is plug connected to the external port of the first computing device, to provide the first computing device wireless data access over the wireless communication component of the wireless communication device; and

enabling the first computing device to share Internet access with a second computing device over a local point to point wireless communication link between the first computing device and the second computing device, by the wireless communication device being plug connected to the external port of the first computing device, the second computing device being a distinct device from the first computing device and the wireless communication device,

wherein at least part of the wireless software that includes the protected data is stored in the memory component of the wireless communication device, and the at least part of the wireless software that includes the protected data is installed and executed automatically upon connection of the wireless communication device to the external port of the first computing device.

2. (Cancelled)

3. (Currently amended) The method of claim 1, further comprising:
~~disconnecting the wireless communication device from the external port of the first computing device; and~~

the wireless software automatically uninstalling or exiting at least part of the wireless software from the first computing device upon disconnection of the wireless communication device from the external port of the first computing device.

4. (Previously presented) The method of claim 1 further comprising enabling the first computing device wireless Internet access with the portable wireless communication device.

5. (Cancelled)

6. (Previously presented) The method of claim 1 wherein the interface corresponds to a universal serial bus interface.

7. (Previously presented) The method of claim 1 wherein the wireless communication corresponds to a Bluetooth standard of wireless communication.

8. (Currently amended) The method of claim 1 wherein the wireless communication corresponds to at least one ~~of~~ within the IEEE 802 standards of wireless communication.

9. (Currently amended) The device of claim 60, wherein the portable wireless data communication device further comprising means for enabling the first computing device wireless Internet access with the portable wireless data communication device.

10. (Previously presented) The device of claim 61 in which the data output device includes a display or a projection device, individually or in any combination for displaying or projecting the data content.

11. (Currently amended) The method of claim 19 wherein the wireless communication device further includes a public memory component that is accessible ~~and viewable~~ by the user.

12. (Previously presented) The method of claim 1 wherein the wireless communication device is configured as a dongle.

13. (Previously presented) The method of claim 1 wherein the second computing device includes one or more of a wireless mobile telephone, an Internet pad, a laptop computer, a desktop computer, and a smart phone, individually or in any combination.

14. (Previously presented) The method of claim 1 wherein the first computing device includes a mobile computing device.

15. (Previously presented) The device of claim 60 wherein the second computing device includes one or more of an Internet pad, a laptop computer, a desktop computer, and a smart phone, individually or in any combination.

16. (Previously presented) The method of claim 1 wherein the wireless software includes a wireless communication stack component.

17. (Cancelled)

18. (Cancelled)

19. (Currently amended) A wireless communication method with a portable wireless communication device plug connectable to an external port of a first computing device with a data output device, the wireless communication device previously being distinct from the first computing device, the wireless communication device having,

an interface for plug connecting to the external port of the first computing device by a user,

a wireless communication component for wireless communication,

a memory component that includes a private memory area that is not accessible or viewable by the user,

a protected ~~software~~ data component stored in the private memory area for executing at the first computing device,

a memory controller having means for managing communication through the interface and means for accessing the private memory area,
the wireless communication method comprising:

~~plug connecting the wireless communication device to the external port of the first computing device;~~

drawing power to the wireless communication device from the first computing device for operating the wireless communication device upon plug connecting the wireless communication device to the external port of the first computing device;

accessing the protected ~~software~~ data component from the private memory area of the wireless communication device by the memory controller of the wireless communication device;

running and executing on the first computing device at least part of a wireless communication software that includes the protected ~~software~~ data component from the private memory area of the wireless communication device, automatically, upon plug connecting the wireless communication device to the external port of the first computing device by the user;

establishing a wireless communication channel, by the wireless communication software executing at the first computing device, between a second computing device and the wireless communication device and over the wireless component of the wireless communication device, the second computing device being a distinct device from the wireless communication device and the first computing device;

receiving, at the wireless communication device that is plug connected to the first computing device, a data content from the second computing device over the wireless communication channel; and

passing, by the wireless communication software, the data content from the wireless communication device to the first computing device for output of the data content at the output device associated with the first computing device ~~to enable the second computing device to output the data content from the second computing device to the output device associated with the first computing device over the wireless communication channel,~~

wherein the wireless communication ~~software~~ device provides the first computing device with Internet access through the wireless communication device.

20. (Cancelled)

21. (Currently amended) The method of claim 19, further comprising:
~~disconnecting the wireless communication device from the external port of the first computing device; and~~

automatically uninstalling or exiting at least part of the wireless communication software from the first computing device upon disconnection of the wireless communication device from the external port of the first computing device.

22. (Previously presented) The method of claim 19 wherein the wireless communication software includes a wireless communication stack component.

23. (Previously presented) The method of claim 19 wherein the wireless communication device includes a battery operable to power operation of the wireless communication device.

24-39. (Cancelled)

40. (Currently amended) The method of claim 19 wherein the wireless communication correspond to one or more of a Zigbee, a Bluetooth, and ~~an~~ one within IEEE802 standard of wireless communication, individually or in any combination.

41. (Previously presented) The method of claim 19 wherein the data output device further includes an audio output device for outputting data content.

42. (Cancelled)

43. (Previously presented) The method of claim 19 wherein the output device includes a display device or a projection device for displaying or for projecting the data content.

44. (Previously presented) The method of claim 19 wherein the output device includes a printing device for printing the data content.

45. (Previously presented) The method of claim 19 wherein the data content includes one or more of video data content, sound data content, document data content, and projection data content, individually or in any combination.

46. (Currently amended) The method of claim 19 further comprising storing the received data content at the memory component of the wireless communication device prior to passing the data content to the ~~output device~~ first computing device.

47. (Previously presented) The method of claim 19 wherein the second computing device is a mobile device.

48. (Currently amended) A communication method with a portable communication device for enabling phone calling ~~from~~ with a computing device, the portable communication device having,

an interface for plug connecting to an external port of a first computing device by a user,

a memory component that includes a private memory area that is not accessible ~~or viewable~~ by the user,

a protected software component stored in the private memory area for executing at the first computing device,

a memory controller having means for managing communication through the interface, means for accessing the private memory area, and means for facilitating an autorun operation for automatically ~~launching and executing~~ installing or running on the first computing device at least part of a phone calling software,

the communication method comprising:

~~plug connecting the portable communication device to the external port of a first computing device;~~

drawing power to the portable communication device from the first computing device for operating the portable communication device **upon plug connecting the portable communication device to the external port of a first computing device;**

accessing the protected software component from the private memory area of the portable communication device by the memory controller of the portable communication device;

installing or running on the first computing device at least part of the phone calling software, automatically, upon connecting the portable communication device to the external port of the first computing device, the phone calling software including the protected software component accessed from the private memory area of the portable communication device by the memory controller;

enabling phone calling from the first computing device to a second computing device with the phone calling software running at the first computing device and the portable communication device being plug connected to the external port of the first computing device, the second computing device being a distinct device from the portable communication device and the first computing device; and

disconnecting the portable communication device from the external port of the first computing device, and upon disconnecting the portable communication device from the external port of the first computing device, the phone calling software automatically exiting or uninstalling at least part of the phone calling software from the first computing device,

wherein **at least part of** the phone calling software **operations** further **includes** ~~facilitates~~ Internet access at the first computing device ~~through~~ **with** the portable communication device **plug connected to the first computing device.**

49. (Currently amended) The method of claim 48 wherein the first computing device includes one or more of a desktop PC, a laptop PC, a tablet computer, a server,

a handheld computer, an Internet information appliance, a mobile phone, an Internet phone, an Internet pad, and a web pad, individually or in any combination thereof.

50. (Previously presented) The method of claim 48 wherein the portable communication device further comprising a hub with one or more ports for connecting to a device.

51. (Currently amended) The method of claim 48 wherein the portable communication device further comprising a wireless communication unit for wireless communication with a mobile phone that is distinct from the first computing device and the second computing device ~~phone calling software is installed and executed automatically upon connection of the portable communication device to the external port of the first computing device.~~

52. (Cancelled)

53. (Currently amended) The ~~method of claim 48 wherein~~ device of claim 62 further comprising a wireless communication unit for wireless communication with a mobile phone that is distinct from the first computing device and the second computing device ~~the memory component further includes a public memory area that is accessible and viewable by the user.~~

54. (Previously presented) The method of claim 48 further comprising intercepting a disconnection signal at the first computing device and in response to intercepting the disconnection signal removing or uninstalling at least part of the phone calling software from the first computing device.

55. (Currently amended) A data communication method with a portable data communication device that is plug connectable to an external port of at least a first and a second computing device, the data communication device having

an interface for plug connecting to an external port of one or more computing devices by a user,

a memory component that includes a private memory area that is not accessible or viewable by the user,

a protected software component stored in the private memory area for executing at the one or more computing devices,

a memory controller having means for managing communication through the interface and means for accessing the private memory area,

a public memory component that is accessible and viewable by the user, the data communication method comprising:

plug connecting the data communication device with a memory component to an external port of a first computing device;

receiving, at the data communication device, at least part of a first device data content from the first computing device;

storing at least part of the first device data content, received from the first computing device, in the public memory component of the data communication device;

not drawing power from the first computing device upon disconnecting the data communication device from the external port of the first computing device;

plug connecting the data communication device to an external port of a second computing device, the second computing device being a distinct device from the data communication device and the first computing device;

drawing power to the data communication device from the second computing device for powering the data communication device **upon plug connecting the data communication device to an external port of a second computing device**;

accessing the protected software component from the private memory area of the data communication device by the memory controller of the data communication device, the access of the protected software component for facilitating an autorun operation associated with installing or running on the second computing device at least part of a computer software application;

installing or running on the second computing device at least part of a computer software application that includes the protected software component from the

private memory area of the memory component of the data communication device, automatically, upon plug connecting the data communication device to the external port of the second computing device;

accessing the first device data content stored in the public memory component of the data communication device by the computer software application running on the second computing device;

storing a second device data content from the second computing device to the public memory component of the data communication device;

~~synchronizing, by the computer software application running at the second computing device,~~ at least part of the second device data content between the public memory component of the data communication device and the second computing device; and

disconnecting the communication device from the external port of the second computing device and the computer software application automatically exiting or uninstalling at least part of the software application from the second computing device,

wherein the data communication device includes a wireless component and the computer software application includes a wireless application for providing wireless communication to the second computing device over the wireless component.

56. (Cancelled)

57. (Previously presented) The method of claim 55 further comprising automatically deleting any temporary files that includes data content used by the computer software application residing in the second computing device upon disconnection of the data communication device.

58. (Previously presented) The method of claim 55, the second computing device further comprising an output device including one or more of a display device, a projection device, and an audio output device, individually or in any combination.

59. (Previously presented) The method of claim 58, the data communication device further comprising means for the computer software application running at the second computing device to pass at least part of a data content from the public memory component of the data communication device to the second computing device for rendering the at least part of the data content at the data output device associated with the second computing device.

60. (Currently amended) A portable wireless communication device plug connectable to an external port of a first computing device for wireless communication, the wireless communication device previously being distinct from the first computing device, and the wireless communication device having,

- an interface for plug connecting to the external port of the first computing device by a user,

- a wireless communication component for wireless communication,

- a memory component that includes a private memory area that is not accessible or viewable by the user,

- a protected data stored in the private memory area for executing at the first computing device,

- a memory controller having means for managing communication through the interface and means for accessing the private memory area, the wireless communication device comprising,

- means for drawing power to the wireless communication device from the first computing device for operating the wireless communication device upon plug connecting the wireless communication device to the external port of the first computing device;

- means for accessing the protected data from the private memory area of the wireless communication device by the memory controller of the wireless communication device;

- means for providing at least part of a wireless software running and executing on the first computing device at least the protected data by the wireless communication

device, automatically, upon plug connecting the wireless communication device to the external port of the first computing device;

means for the wireless software running and executing at the first computing device to activate the wireless communication device with the protected data received from the wireless communication device automatically to provide the first computing device wireless data access over the wireless component of the wireless communication device, the wireless communication device being plug connected to the external port of the first computing device; and

means for the wireless communication device that is plug connected to the external port of the first computing device to enable the first computing device to share Internet access with a second computing device over a local point to point wireless communication link between the first computing device and the second computing device, the second computing device being a distinct device from the first computing device and the wireless communication device,

wherein at least part of the wireless software that includes the protected data is stored in the memory component of the wireless communication device, and the at least part of the wireless software that includes the protected data is installed and executed automatically upon connection of the wireless communication device to the external port of the first computing device.

61. (Currently amended) A portable wireless communication device plug connectable to an external port of a first computing device with a data output device, the wireless communication device previously being distinct from the first computing device, the wireless communication device having,

an interface for plug connecting to the external port of the first computing device by a user,

a wireless communication component for wireless communication,

a memory component that includes a private memory area that is not accessible or viewable by the user,

a protected software data component stored in the private memory area for executing at the first computing device,

a memory controller having means for managing communication through the interface and means for accessing the private memory area, the wireless communication device comprising:

means for drawing power to the wireless communication device from the first computing device for operating the wireless communication device;

means for accessing the protected ~~software~~ data component from the private memory area of the wireless communication device by the memory controller of the wireless communication device;

means for running and executing on the first computing device at least part of a wireless communication software that includes the protected ~~software~~ data component from the private memory area of the wireless communication device, automatically, upon plug connecting the wireless communication device to the external port of the first computing device by the user;

means for establishing a wireless communication channel, by the wireless communication software executing at the first computing device, between a second computing device and the wireless communication device and over the wireless component of the wireless communication device, the second computing device being a distinct device from the wireless communication device and the first computing device;

means for receiving, at the wireless communication device that is plug connected to the first computing device, a data content from the second computing device over the wireless communication channel; and

means for the wireless communication software to pass the data content from the wireless communication device to the first computing device for output of the data content at the output device associated with the first computing device ~~to enable the second computing device to output the data content from the second computing device to the output device associated with the first computing device over the wireless communication channel,~~

wherein the wireless communication ~~software~~ device provides the first computing device with Internet access through the wireless communication device.

62. (Currently amended) A portable communication device for enabling phone calling having,

an interface for plug connecting to an external port of a first computing device by a user,

a memory component that includes a private memory area that is not accessible or viewable by the user,

a protected software component stored in the private memory area for executing at the first computing device,

a memory controller having means for managing communication through the interface, means for accessing the private memory area, and means for facilitating an autorun operation for automatically ~~launching and executing~~ installing or running on the first computing device at least part of a phone calling software, the portable communication device comprising,

means for plug connecting the portable communication device to the external port of the first computing device;

means for drawing power to the portable communication device from the first computing device for operating the portable communication device;

means for accessing the protected software component from the private memory area of the portable communication device by the memory controller of the portable communication device;

means for installing or running on the first computing device at least part of the phone calling software, automatically, upon connecting the portable communication device to the external port of the first computing device, the phone calling software including the protected software component accessed from the private memory area of the portable communication device by the memory controller;

means for the phone calling software running at the first computing device to enable phone calling from the first computing device to a second computing device, with the portable communication device plug connected to the external port of the first computing device, the second computing device being a distinct device from the portable communication device and the first computing device; and

means for disconnecting the portable communication device from the external port of the first computing device, and upon disconnecting the portable communication device from the external port of the first computing device, the phone calling software automatically exiting or uninstalling at least part of the phone calling software from the first computing device,

wherein at least part of the phone calling software operations further facilitates includes Internet access at the first computing device ~~through~~ with the portable communication device connected to the first computing device.

63. (Currently amended) A portable data communication device with a memory component and plug connectable to an external port of at least a first and a second computing device, the data communication device having

an interface for plug connecting to an external port of one or more computing devices by a user,

a memory component that includes a private memory area that is not accessible ~~or viewable~~ by the user,

a protected software component stored in the private memory area for executing at the one or more computing devices,

a memory controller having means for managing communication through the interface and means for accessing the private memory area,

a public memory component that is accessible ~~and viewable~~ by the user,
the data communication device comprising,

means for plug connecting the data communication device to an external port of a first computing device;

means for receiving, at the data communication device, at least part of a first device data content from the first computing device;

means for storing at least part of the first device data content, received from the first computing device, in the public memory component of the data communication device;

means for disconnecting the data communication device from the external port of the first computing device;

means for plug connecting the data communication device to an external port of a second computing device, the second computing device being a distinct device from the portable communication device and the first computing device;

means for drawing power to the data communication device from the second computing device for powering the data communication device;

means for accessing the protected software component from the private memory area of the data communication device by the memory controller of the data communication device, the access of the protected software component for facilitating an autorun operation associated with installing or running on the second computing device at least part of a computer software application;

means for installing or running on the second computing device at least part of a computer software application, that includes the protected software component from the private memory area of the memory component of the data communication device, automatically, upon plug connecting the data communication device to the external port of the second computing device;

means for the computer software application running on the second computing device to access the first device data content stored in the public memory component of the data communication device;

means for storing a second device data content from the second computing device to the public memory component of the data communication device;

means for ~~the computer software application running at~~ the second computing device to synchronize at least part of the second device data content between the public memory component of the data communication device and the second computing device; and

means for disconnecting the data communication device from the external port of the second computing device, and upon disconnecting the data communication device from the external port of the second computing device, the computer software application automatically exiting or uninstalling at least part of the computer software application from the second computing device,

wherein the data communication device includes a wireless component and the computer software application includes a wireless application for providing wireless communication to the second computing device over the wireless component.

64. (New) The device of claim 63 further comprising means for providing the second computing device Internet access through the data communication device.

65. (New) The device of claim 62 wherein the portable communication device further comprising a hub with one or more ports for connecting to a device.

66. (New) The method of claim 19 wherein the wireless communication device further enabling the first computing device to share Internet access with a third computing device, the third computing device being a distinct device from the first computing device.

67. (New) The device of claim 61 wherein the wireless communication device further comprising means for the first computing device to share Internet access with a third computing device, the third computing device being a distinct device from the first computing device.